Publication No. 1C7593
7/94

MODIFICATION INSTRUCTIONS

for the

Kodak RP *X-Omat* PROCESSOR, Model M7B

Service Code: 3027

Modification No. 7

Kodak RP *X-Omat* PROCESSOR, Model M7B-E

Service Code: 3407

Modification No. 1

Type 1 Selective

Purpose: The installation of this modification kit will help prevent film jams in the DRYER ASSEMBLY and reduce the likelihood of breaking parts in the DRYER ASSEMBLY, especially for PROCESSORS installed with LASER PRINTERS.

IMPORTANT

Use qualified personnel to install this modification.

Special Requirements:	None
Installation Time:	2 Hours
Special Tools:	5/32 in. HEX HEAD WRENCH, 5/64 in. HEX HEAD DRIVER, NAIL PUNCH, STUD REMOVAL TOOL
Parts Status:	Available from Service Parts Management

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Parts List for the M7B/M7B-E DRYER TRANSPORT Kit, part number 1C7599:

Part No.	Description	Quantity
1C7596	DOUBLE GEARED ROLLER	1
571241	BEARING	1
1C7592	Non-Drive Side STUD	1
470507	STUD	1
452101	NUT	1
463004	SPACER BEARING, White	1
532055	FILM GUIDE GEAR ASSEMBLY	1
1C7598	PIVOT SHAFT ASSEMBLY	1
532038	PIVOT SHAFT GEAR	1
166323	PIN	1
192904	E-RING	2
532177	WASHER	2
532164	TIE ROD	2
852871	SCREW	4
168424	LOCK WASHER	4
852799	WASHER	4
548952	SPACER BEARING, Gray	1

Removing the DRYER ASSEMBLY

[1] Deenergize the PROCESSOR by moving the MAIN CIRCUIT BREAKER to the "Off" position.

[2] Move the wall power switch to the "OFF" position.

[3] Open the TOP COVER of the PROCESSOR. Use the SUPPORT ROD to hold the TOP COVER.

[4] Disconnect the DRYER CABLE CONNECTOR from the DRYER ASSEMBLY.

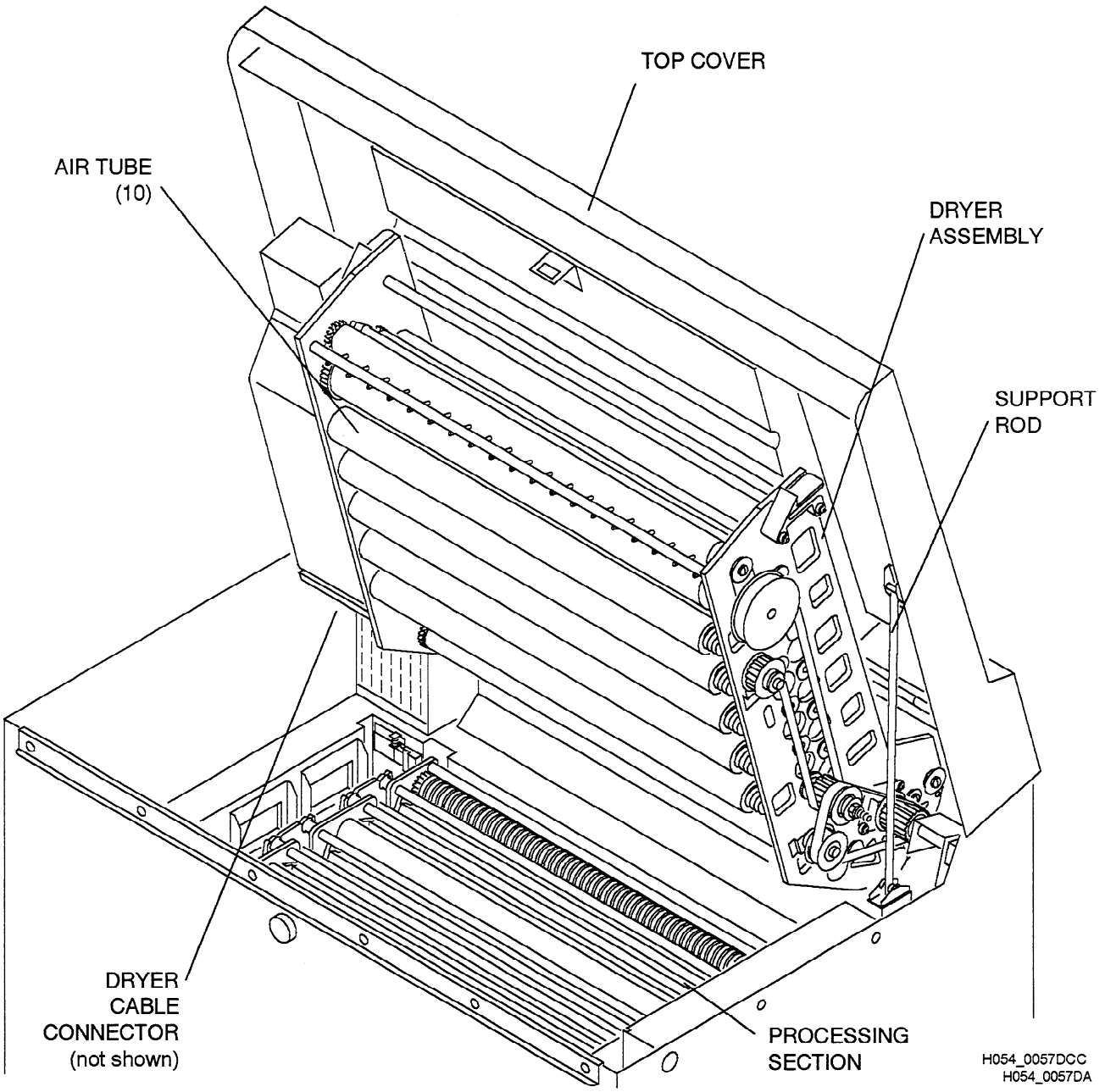

Figure 1 Disconnecting the DRYER CABLE CONNECTOR

[5] Remove the EXHAUST HOSE to gain access to the COVER.

[6] Remove the COVER for access to the IDLER PULLEY.

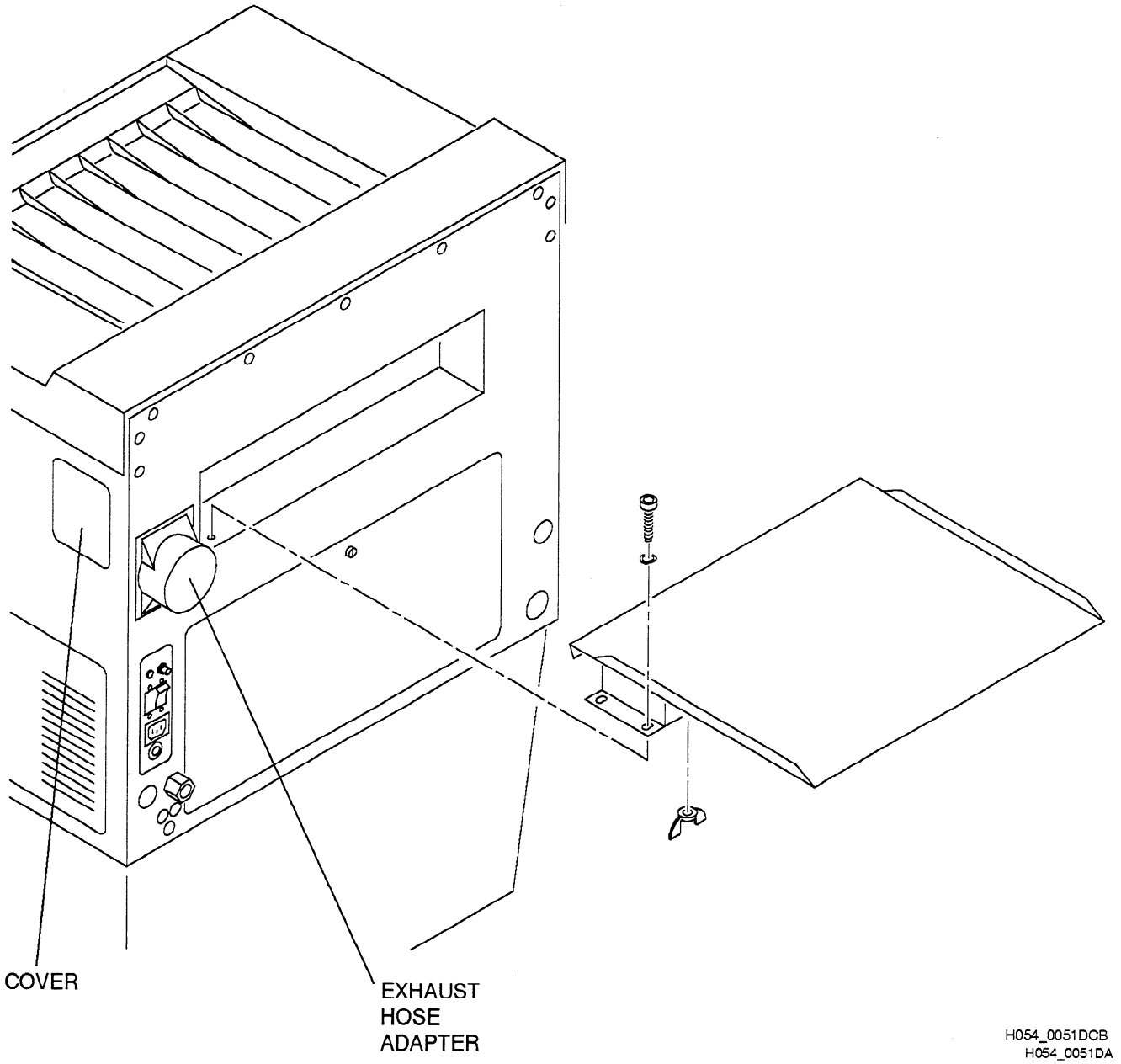

Figure 2 Gaining Access to the IDLER PULLEY

[7] Using a 5/32 in. HEX WRENCH, loosen the SCREW to loosen the IDLER PULLEY.

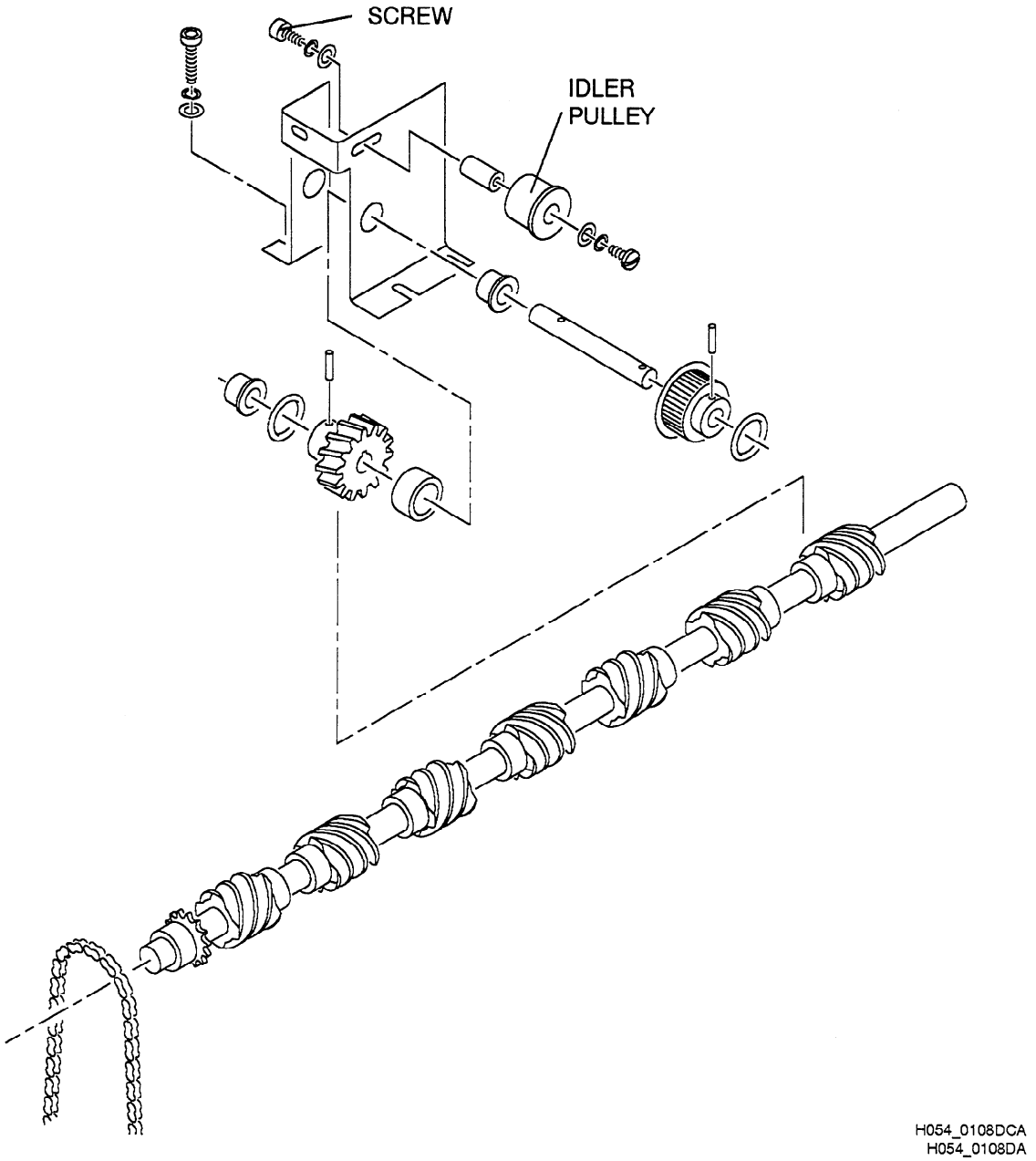

Figure 3 Loosening the IDLER PULLEY

[8] Disconnect BELT A from the MAIN DRIVE ASSEMBLY.

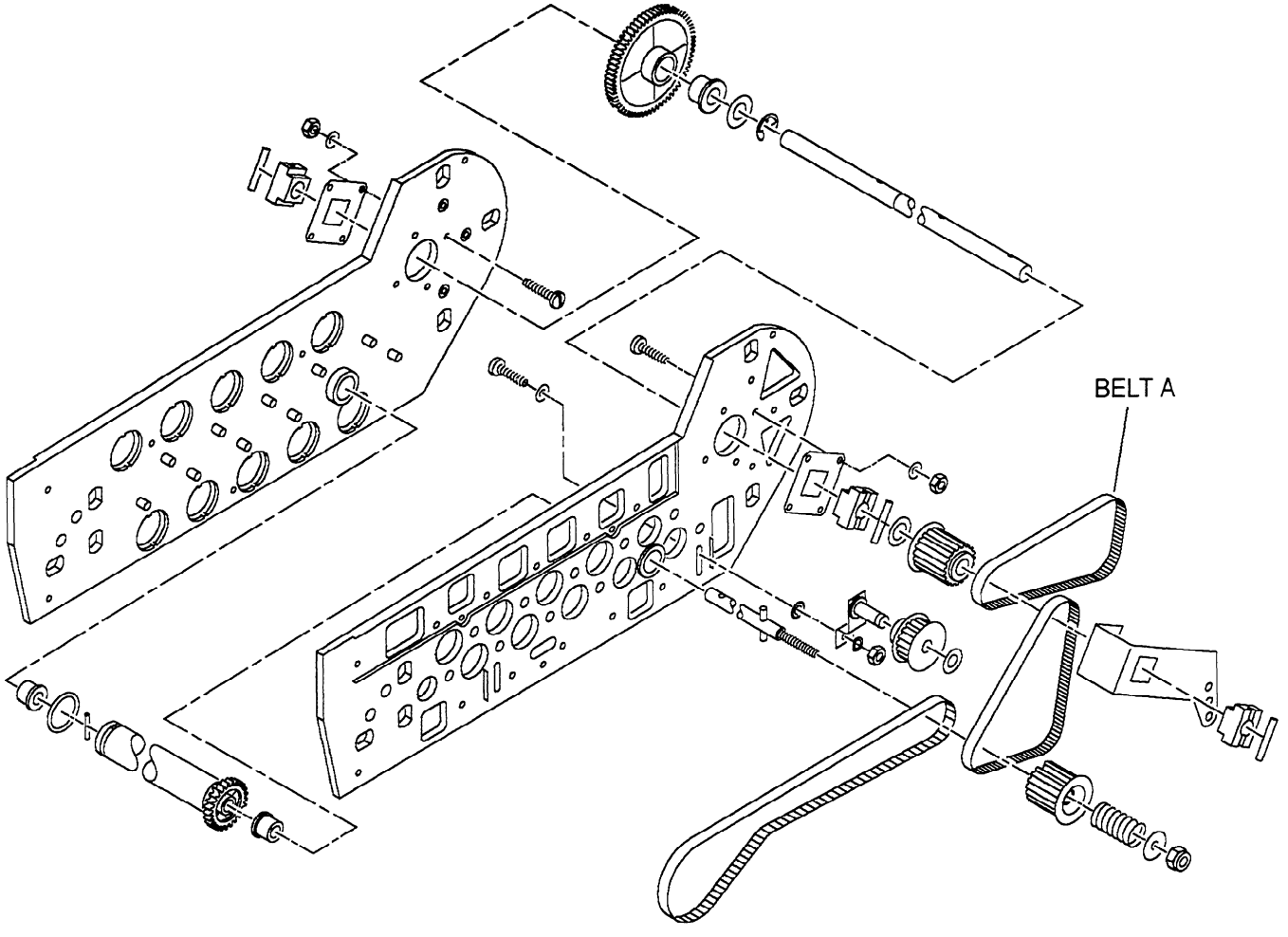

Figure 4 Disconnecting BELT A

[9] Remove and keep the 10 AIR TUBES from the DRYER ASSEMBLY.

[10] Remove the SPRING GUARD by removing the 2 SCREWS holding it in position.

[11] Disconnect the DRYER SPRING from the ARM of the PIVOT SHAFT ASSEMBLY.

[12] Remove the DRYER SPRING.

[13] Lift the DRYER ASSEMBLY out of the PROCESSOR and place it on a flat work surface.

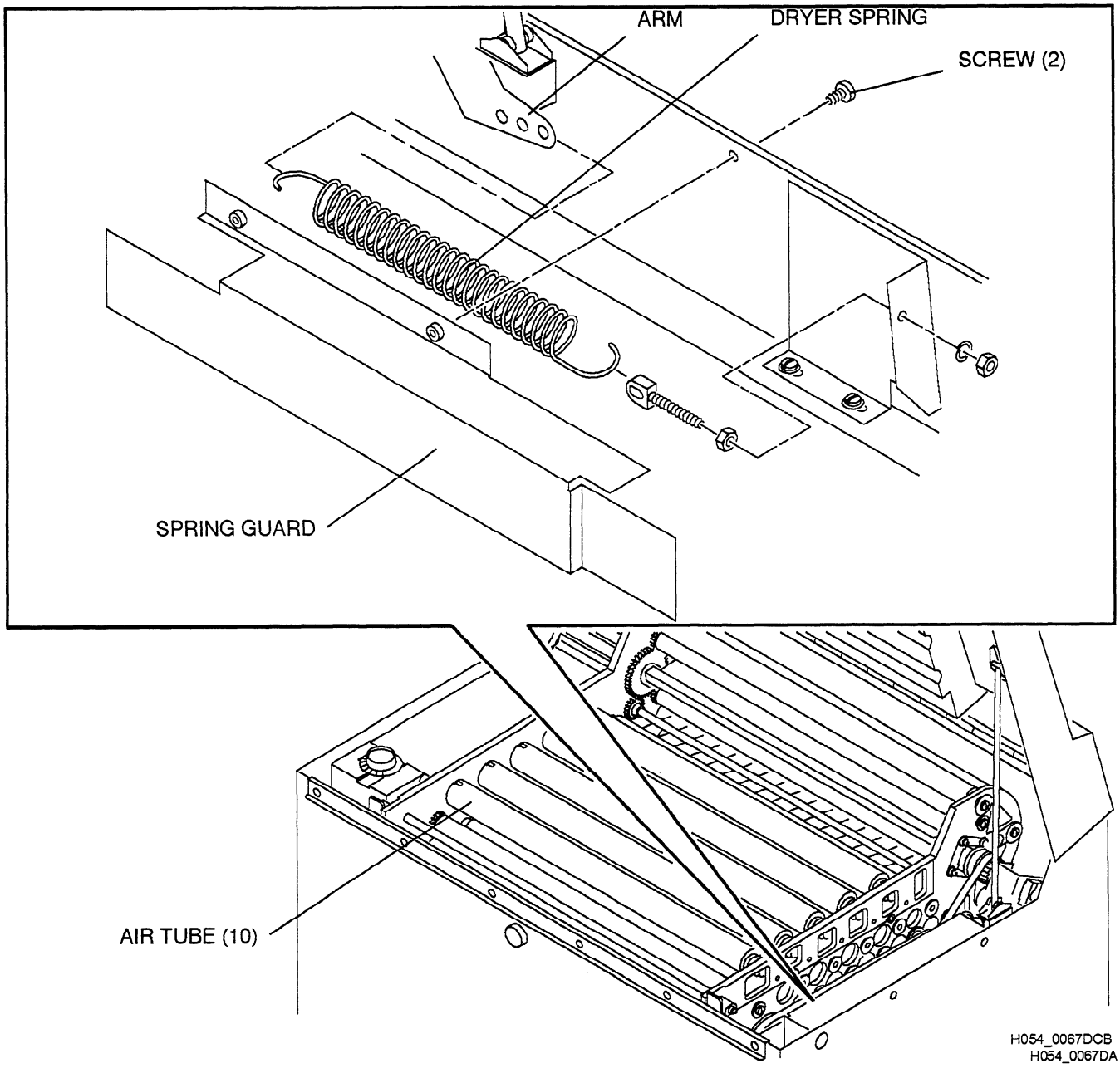

Figure 5 Disconnecting the DRYER SPRING

Replacing the DOUBLE GEARED ROLLER

NOTE

See Figure 6 on page 9 when doing this procedure.

[1] Using the STUD REMOVAL TOOL, remove the drive-side STUD that holds the DOUBLE GEARED ROLLER in position. Depending on the type of STUD used, you may be able to pry it out with a SCREWDRIVER, or you may have to first remove the NUT.

[2] Loosen the IDLER PULLEY BRACKET.

[3] Remove the DOUBLE GEARED ROLLER ASSEMBLY from the DRYER ASSEMBLY.

NOTE

Some STUDS are glued in position and cannot be removed. Be careful not to cause damage to the SIDEPLATE when trying to remove it.

[4] Remove the non-drive side STUD by punching the STUD from outside the SIDEPLATE.

[5] Rotate the DRYER ASSEMBLY so that is upside-down on the work surface.

[6] Insert the new non-drive side STUD.

(a) Check that the STUD is securely positioned. If not, use an adhesive like *Loctite* 447 or equivalent to hold it in position.

[7] If space allows, install the gray BEARING onto the new STUD for the DOUBLE GEARED ROLLER.

[8] Move the BRACKET for the BELT PULLEY so that you have room to do the next step.

[9] Install the new DOUBLE GEARED ROLLER.

[10] Hold the NUT in position against the drive SIDEPLATE and GEAR.

[11] Install the STUD through the drive SIDEPLATE.

NOTE

To align the GEARS so that they engage correctly, it may be necessary to either:

- remove some or all of the drive side STUDS and install STUDS and NUTS or
- add SPACERS to the drive side STUDS of the other DRYER ROLLERS.

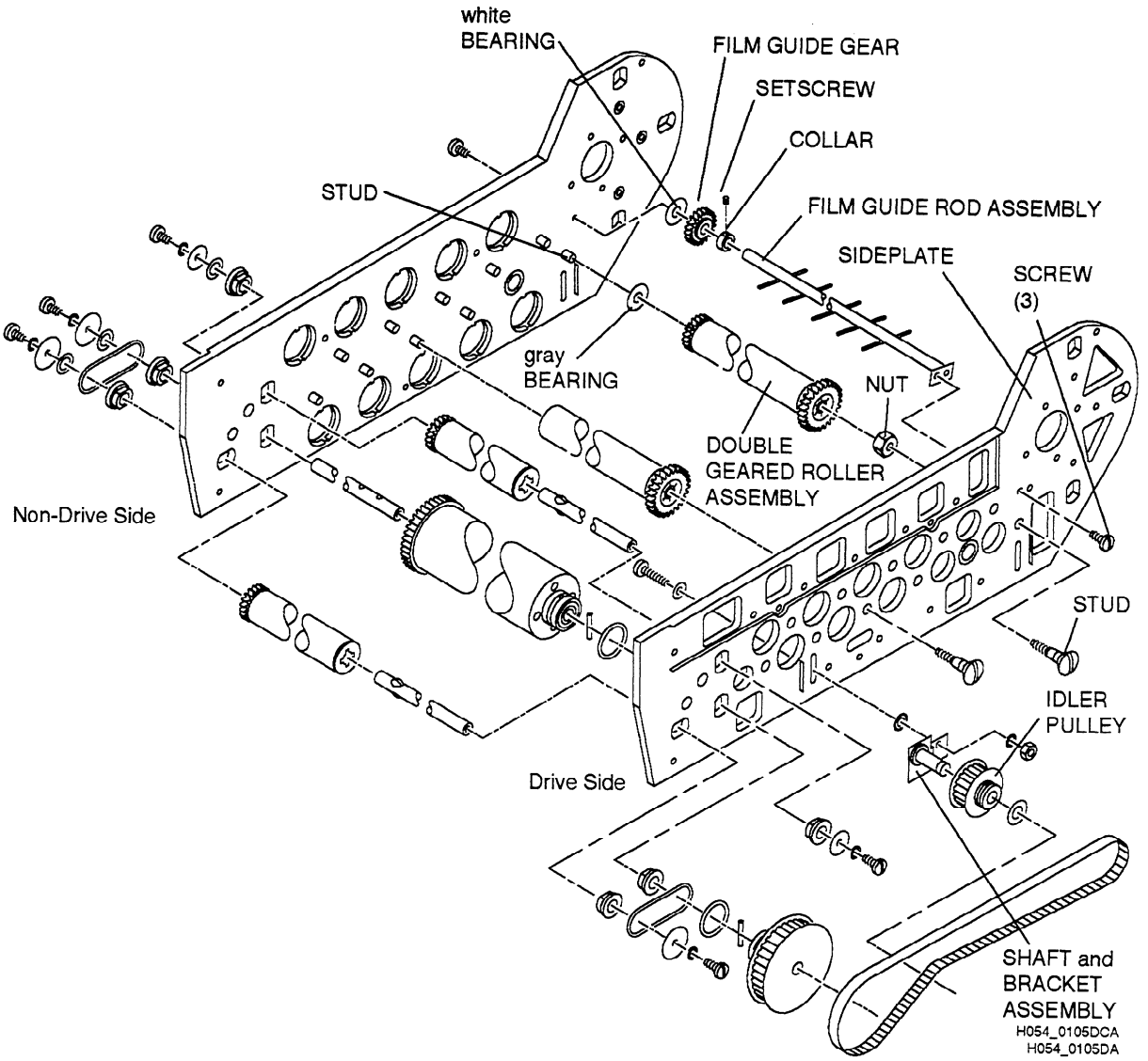

Figure 6 Replacing the DOUBLE GEARED ROLLER

Adjusting the FILM GUIDE GEAR

NOTE

See Figure 6 on page 9 when doing this procedure.

[1] Using a 5/64 in. HEX HEAD DRIVER, loosen the SETSCREW from the COLLAR of the FILM GUIDE GEAR.

[2] Remove and keep the FILM GUIDE ROD ASSEMBLY by removing the 3 SCREWS from both ends of the ASSEMBLY. Keep the SCREWS for later installation.

[3] Remove and discard the FILM GUIDE GEAR.

[4] Install the new FILM GUIDE GEAR provided onto the FILM GUIDE ASSEMBLY.

[5] Install the white BEARING onto the FILM GUIDE ROD so that:

- the BEARING is positioned between the non-drive SIDEPLATE and the GEAR.
- the GEAR is oriented with the HUB of the BEARING toward the center of the DRYER ASSEMBLY.

[6] Rotate the FILM GUIDE ROD so that the PINS are under the ROD.

[7] Insert the FILM GUIDE ROD ASSEMBLY into the DRYER ASSEMBLY. Secure the FILM GUIDE ROD ASSEMBLY using the 3 SCREWS.

[8] Check that the teeth of the GEARS engage correctly.

[9] Move the BEARING, GEAR, and COLLAR against the SIDEPLATE. Do **not** tighten the SETSCREW for the COLLAR now.

Replacing the PIVOT SHAFT ASSEMBLY

NOTE

See Figure 7 on page 12 when doing this procedure.

[1] Remove BELT B.

[2] Remove the E-RING from the HUB side of the large GEAR on the PIVOT SHAFT.

[3] Using a NAIL PUNCH and a HAMMER, remove the ROLL PIN from the non-drive side of the SHAFT.

[4] Remove the PIVOT SHAFT ASSEMBLY with the following parts still attached:

- PULLEY
- ARM
- DOG

[5] Remove the following parts from the non-drive side of the DRYER ASSEMBLY:

- DOG
- large GEAR
- WASHER

[6] Remove the DOG from the drive side of the existing SHAFT ASSEMBLY.

[7] Install the DOG onto the drive side of the new SHAFT ASSEMBLY provided.

[8] Install the new SHAFT ASSEMBLY through the drive side of the DRYER ASSEMBLY. Do not install the SHAFT through the non-drive side of the DRYER ASSEMBLY at this time.

[9] Install the following new parts onto the non-drive end of the SHAFT:

a. WASHER

b. GEAR with BEARING

- Install the GEAR with the HUB toward the center of the DRYER ASSEMBLY.
- Do not engage the teeth of the GEAR. Allow space to install an E-RING between the GEAR and the SIDEPLATE.

c. WASHER

[10] Insert the SHAFT through the non-drive SIDEPLATE.

[11] Install an E-RING into the outer groove in the SHAFT.

[12] Move the GEAR so that its teeth engage the other GEARS.

[13] Install an E-RING into the inner groove in the SHAFT.

[14] Align the holes in the DOG with the holes in the non-drive end of the SHAFT.

[15] Rotate the SHAFT so that the ARM is down.

[16] Secure the DOG with the PIN provided.

[17] Tighten the SETSCREW for the COLLAR on the FILM GUIDE.

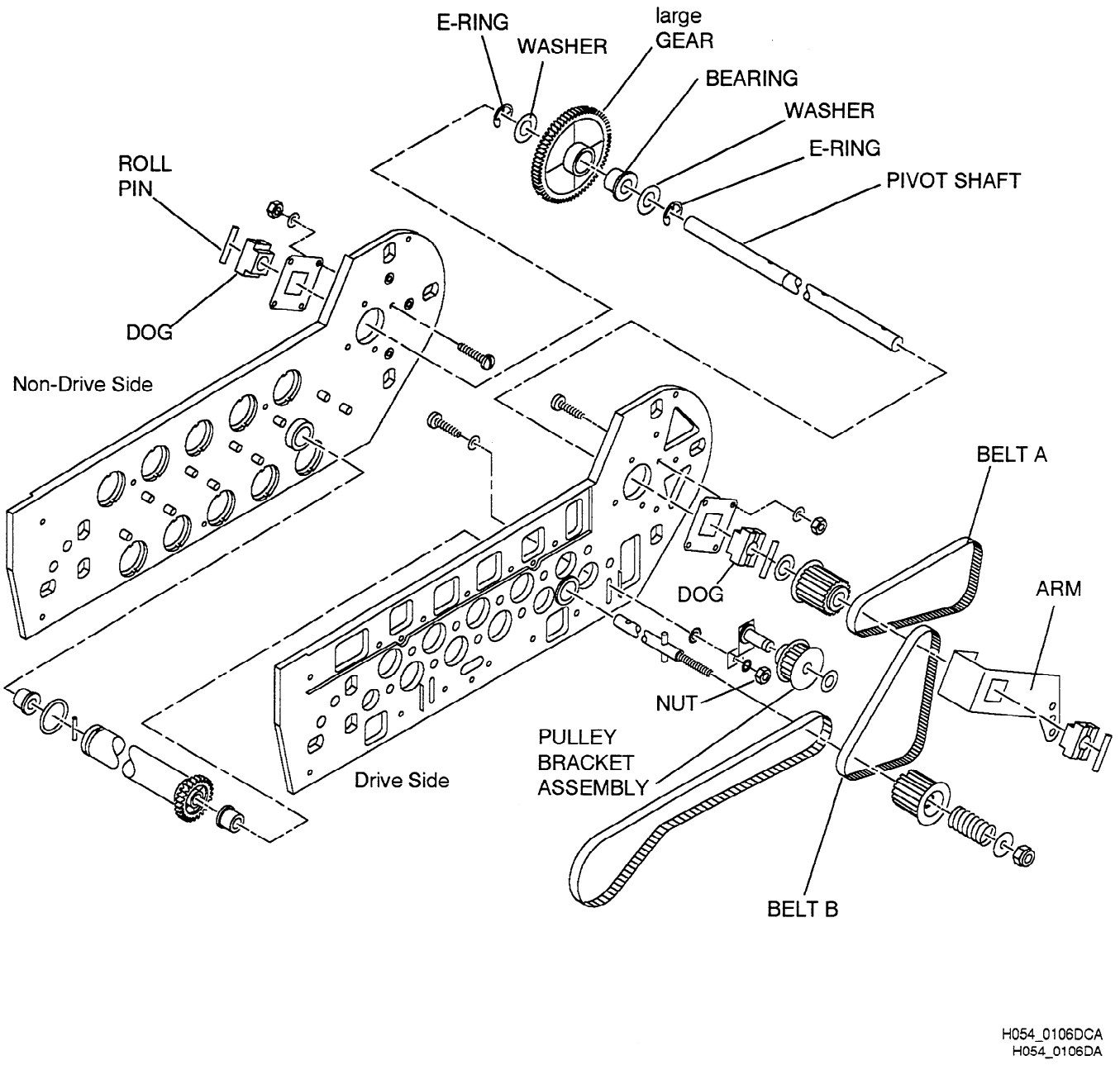

Figure 7 Replacing the PIVOT SHAFT ASSEMBLY

Installing the TIE RODS

NOTE

See Figure 8 on page 14 when doing this procedure.

[1] Rotate the DRYER ASSEMBLY so that it is upside-down.

[2] Install the 2 new TIE RODS in the existing holes of the SIDEPLATE. Use the following parts for each TIE ROD:

- 2 SCREWS
- 2 LOCK WASHERS
- 2 WASHERS

[3] Install BELT A. Allow it to hang loose. See Figure 7 on page 12.

[4] Install BELT B. See Figure 7 on page 12.

[5] Tighten the PULLEY BRACKET ASSEMBLY.

[6] Check that DRYER ASSEMBLY for squareness.

(a) If necessary, tighten the SCREWS on all the TIE RODS.

[7] Install the DRYER ASSEMBLY into the PROCESSOR. Check that the DRYER ASSEMBLY is seated correctly on both sides.

[8] Connect BELT A to the IDLER PULLEY.

[9] Connect the DRYER SPRING to the middle hole in the ARM.

[10] Adjust the IDLER PULLEY by doing the following steps.

(a) Move the SCREW to the right most position in the BRACKET.

(b) Tighten the SCREW.

[11] Install the SPRING GUARD using the 2 SCREWS removed in Step 10 on page 7.

[12] Install the 10 AIR TUBES.

[13] Connect the DRYER CABLE CONNECTOR.

[14] Close the TOP COVER of the PROCESSOR.

[15] Install the COVER for the IDLER PULLEY.

[16] Install the EXHAUST HOSE.

NOTE

The MODIFICATION LABEL is located on the back of the ELECTRICAL BOX.

[17] If you installed Modification 7 onto an M7B PROCESSOR, circle "7" on the MODIFICATION LABEL. If you installed Modification 1 onto an M7B-E PROCESSOR, circle "1" on the MODIFICATION LABEL.

[18] Move the wall power switch to the "ON" position.

[19] Energize the PROCESSOR by moving the MAIN CIRCUIT BREAKER to the "On" position.

[20] Check for the correct operation of the PROCESSOR.

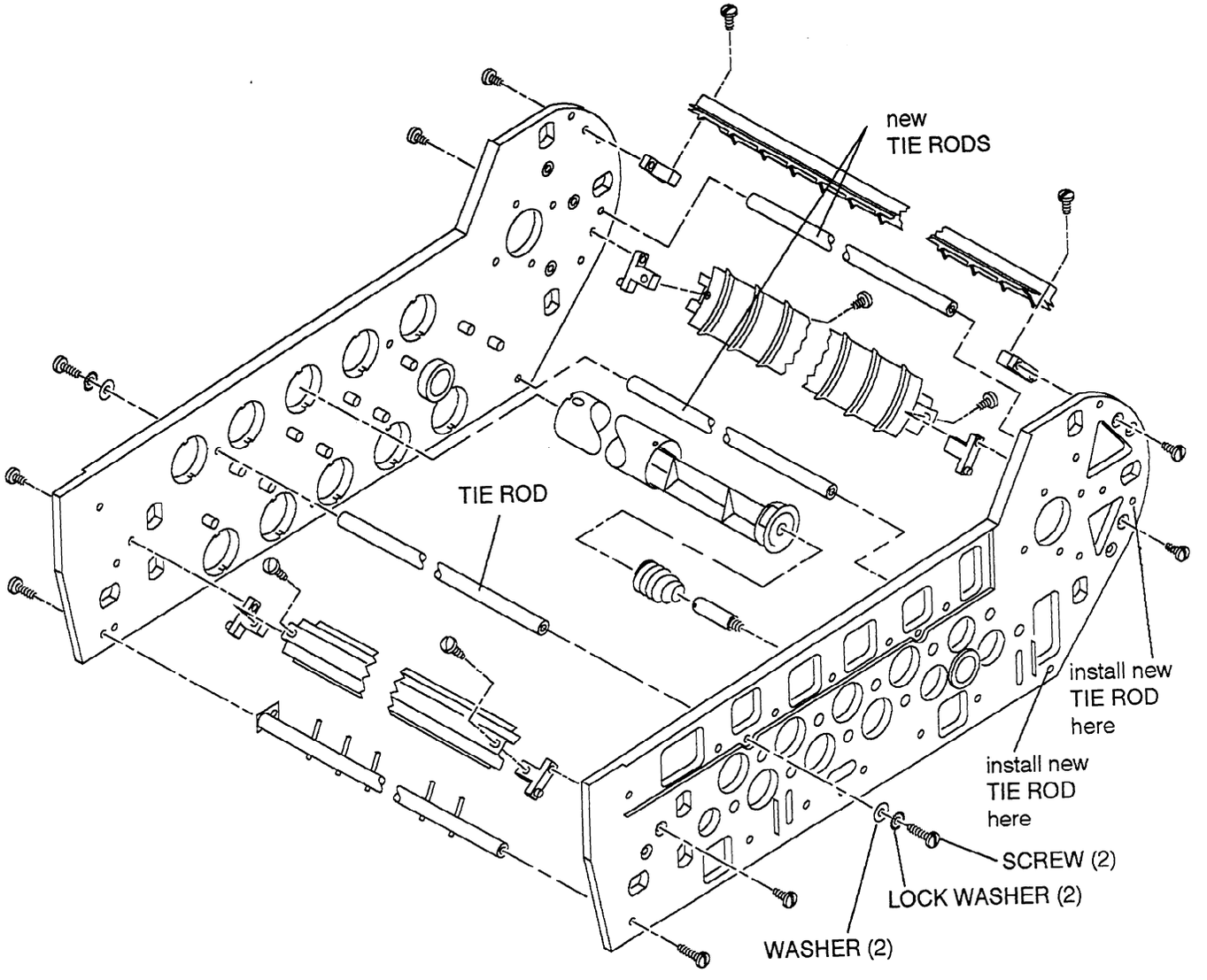

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Figure 8 Installing the TIE RODS

Table 1 Publication Change Notice Table

Print Date	Pub. No.	ECO No.	Affected Pages	File Name	Notes
July 1994	1C7593	2509-226	Not Applicable	3027mi_b.txt	

3027mi_b.txt

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Printed in USA